

ABSTRACT

An image capturing device having a function of clamping an image signal. When the image capturing device
5 is activated, a synchronous signal generating section begins creation of a horizontal synchronous signal, and a counter begins counting a pulse of the horizontal synchronous signal. When the counted value reaches a predetermined value, the clamping capability control
10 section changes the level of a clamp mode signal to an H level. During a period from the start of power supply to the image capturing device to the raising of the level of a clamp mode signal to an H level, a clamp pulse generating section sets a longer width for a clamp pulse than in a
15 normal operation so that a switch element of a clamping circuit remains in an on state in a longer period, whereby a smaller time constant for clamping is set. After elapse of a predetermined period, the switch element is controlled so as to remain in an ON state in a normal period, which
20 is relatively short, whereby a larger time constant for clamping is set. With this arrangement, noise which would be caused with a small clamping time constant is suppressed.